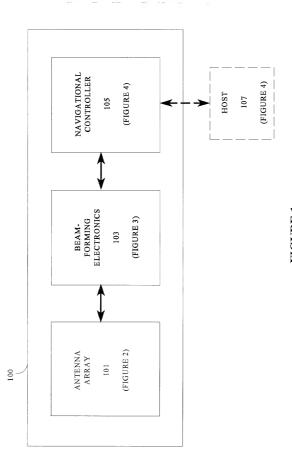
APPLN. FILING DATE: JULY 11, 2001
TITLE: INTERFERENCE REJECTION GPS ANTENNA
SYSTEM
INVENTOR(S): RICHARD KIRCHOFER ET AL.
APPLICATION SERIAL NO: UNASSIGNED
SHEET 1 of 14



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TITLE: INTERFERENCE REJECTION GPS ANTENNA
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INVENTOR(S): RICHARD KIRCHOFER ET AL.
APPLICATION SERIAL NO: UNASSIGNED
SHEET 2 of 14

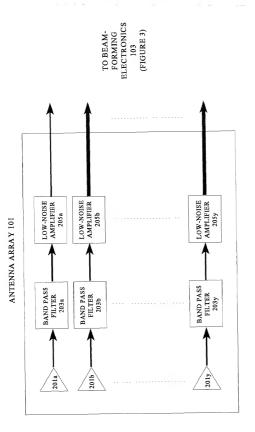


FIGURE 2

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SYSTEM,
INVENTOR(S): RICHARD KIRCHOFER ET AL.
APPLICATION SERIAL NO: UNASSIGNED SHEET 3 0.

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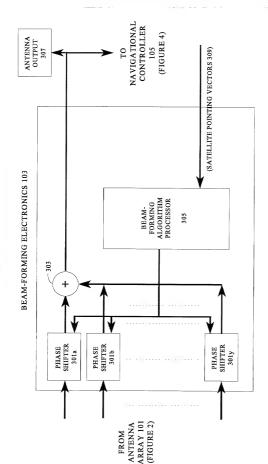


FIGURE 3

TOTAL MODES OF

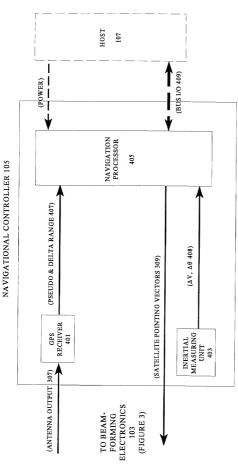


FIGURE 4

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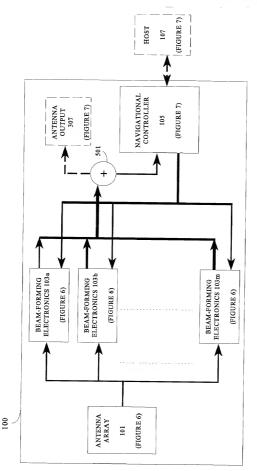


FIGURE 5

FIGURE 6

CONTROLLER 105 OUTPUT 307 AND NAVIGATIONAL CONTROLLER 105 NAVIGATIONAL TO ANTENNA (FIGURE 7) (FIGURE 7) FROM + 501 BEAM-FORMING ELECTRONICS 103a BEAM-FORMING ELECTRONICS 103b BEAM-FORMING ELECTRONICS 103m 305a 305b 305m 303a 303b 303m 301ay 301aa 301ba ▼301my ▲ 301ab 301bb 301by 301ma 301mb ₩ 601a 4109 ₩ 601y ¥ 205b ¥ 203a ¥ 205a ANTENNA ARRAY 101 ▼203y → 205y ¥ 203b 201a 201b 201y

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TOTT CO * SECTED FOR SHEET 7 of 14 APPLN, FILING DATE: JULY 11, 2001 TITLE: INTERFERENCE REJECTION GPS ANTENNA INVENTOR(S): RICHARD KIRCHOFER ET AL. APPLICATION SERIAL NO: UNASSIGNED SYSTEM

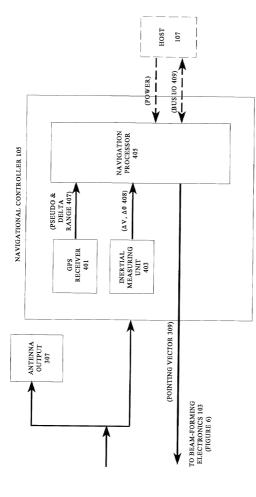


FIGURE 7

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SYSTEM

SYSTEM
INVENTOR(S): RICHARD KIRCHOFER ET AL.
APPLICATION SERIAL NO: UNASSIGNED SHEET 8 of 14

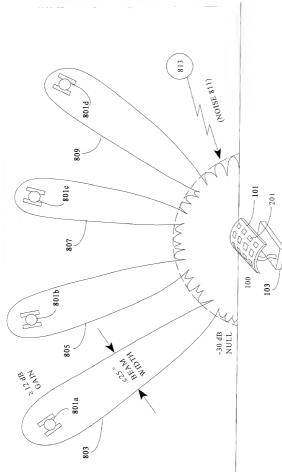


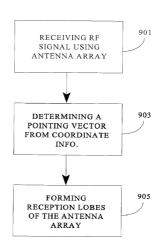
FIGURE 8

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INVENTOR(S): RICHARD KIRCHOFER ET AL.

APPLICATION SERIAL NO: UNASSIGNED SHEET 9 of 14

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APPLN. FILING DATE: JULY 11, 2001
TITLE: INTERFERENCE REJECTION GPS ANTENNA SYSTEM .

INVENTOR(S): RICHARD KIRCHOFER ET AL.

APPLICATION SERIAL NO: UNASSIGNED SHEET 10 of 14

1000

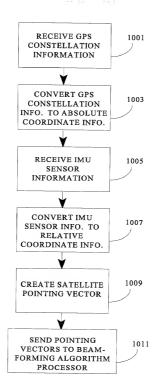


FIGURE 10

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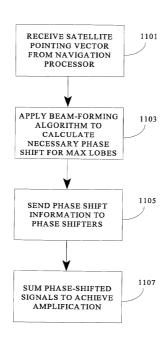


FIGURE 11

1200

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TITLE: INTERFERENCE REJECTION GPS ANTENNA
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INVENTOR(s): RICHARD KIRCHOFER ET AL.
APPLICATION SERIAL NO: UNASSIGNED
SHEET 12 of 1

SHEET 12 of 14 (FIGURE 14) HOST 1205 CONTROL CHASSIS (FIGURE 14) 1203 MULTI-BEAM ANTENNA UNIT (FIGURE 13) 1201

FIGURE 12



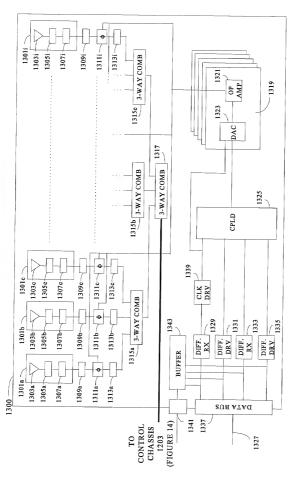
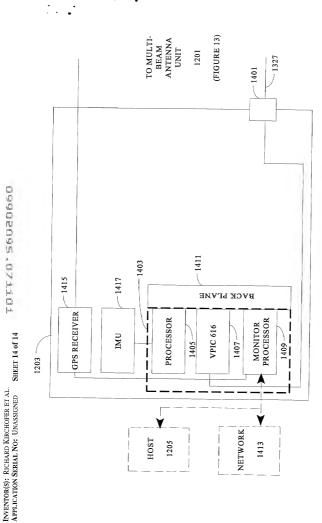


FIGURE 13



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FIGURE 14